

## GV-MFD220 2MP H.264 Mini Fixed Dome



- 2 Megapixel Progressive Scan CMOS
  - Dual streams from H.264 and MJPEG
  - Up to 30 fps at 1920 x 1080
  - Day and night function (electronic)
  - Built-in microphone
  - Built-in micro SD card slot (SD/SDHC) for local storage
  - Active Tampering alarm
  - Wide Dynamic Range (WDR)
  - Defog
  - Motion detection
  - Privacy mask
  - IP address filtering
  - iPhone, iPad, Android
  - PoE (Power over Ethernet)
  - Megapixel lens
  - Supports iPhone, iPad, Android & 3GPP
  - 31 languages on Web interface
  - ONVIF (Profile S) conformant
- \* No Memory card slot & local storage function for Argentina.

### Active Tampering Alarm

Tampered



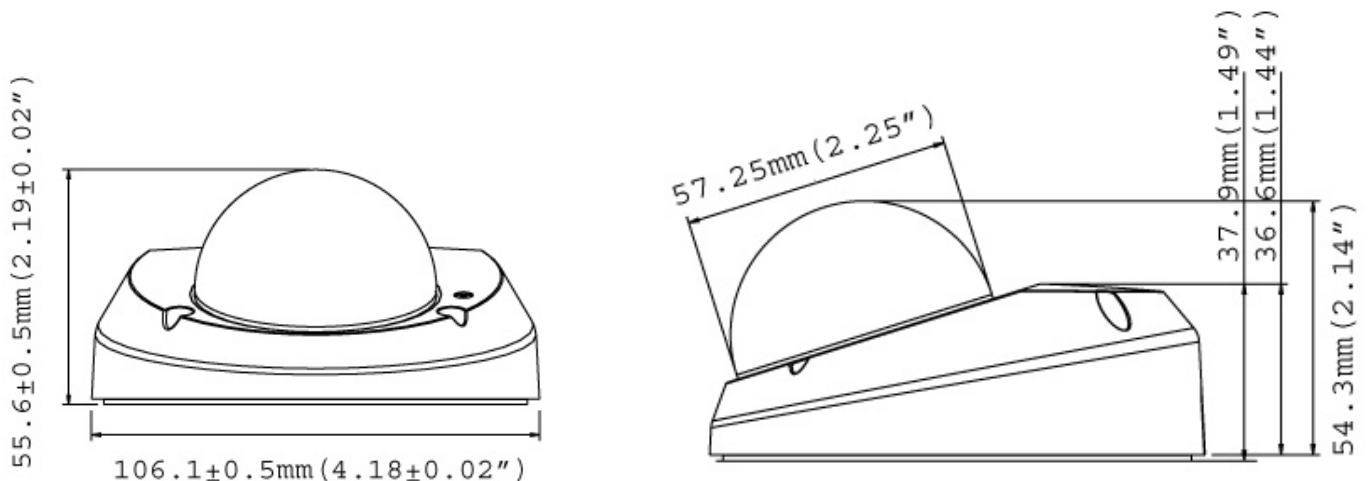
Focus Change



Camera Shift



### Dimensions



## Specifications

Camera		
Image Sensor		1/2.5" progressive scan CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.15 Lux
	B/W	0.10 Lux
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)
White Balance		Automatic, Manual (2800K ~ 8500K)
Gain Control		Automatic
S/N Ratio		45 dB
BLC		Yes
Lens		
Megapixel		Yes
Day/Night		Yes (electronic)
Iris		Fixed
Focal Length		2.54 mm
Maximum Aperture		F/2.8
Mount		M12, Pitch 0.5 mm
Image Format		1/2.5"
Horizontal FOV		101°
Operation	Focus	Fixed
	Zoom	Fixed
	Iris	Fixed
Operation		
Video Compression		H.264, MJPEG
Video Stream		Dual streams from H.264 and MJPEG
Frame Rate		30 fps at 1920 x 1080 * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Image Setting		Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, WDR Defog
Audio Compression		G.711, AAC (optional)
Audio Support		One-Way Audio
Sensor Input		No
Alarm Output		No
Video Resolution		
Main Stream	4:3	1600 x 1200, 1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080, 1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256
Network		
Interface		10/100 Ethernet
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)
Mechanical		
Temperature Detector		Yes
Camera Angle Adjustment	Pan	-45° ~ 45°
	Tilt	0° ~ 90°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	Built-in microphone
	Digital I/O	No
	Auto Iris	No
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * <b>SDXC</b> and <b>UHS-I</b> card types are not supported.
	TV-Out	No


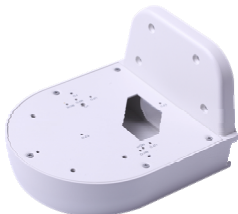



LED Indicator		4 LEDs: Link, ACT, Power, Status
<b>General</b>		
Environment Temperature		0 °C ~ 50 °C (32 °F ~ 122 °F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC, PoE (IEEE802.3af)
Max. Power Consumption		5.5 W
Dimensions	Camera Body	ø 106 x 55.6 mm (4.2 x 2.2")
	Cable Length	1 m (3.28 ft.)
	Cable Diameter	ø 8 mm (0.31")
	Maximum Connector Diameter	ø 28.5 mm (1.12")
Weight		280 g (0.62 lb)
Regulatory		CE, FCC, C-Tick, RoHS, UL compliant
<b>Power over Ethernet</b>		
PoE Standard		IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type		End-Span
PoE Power Output		Per Port 48V DC, 350mA. Max. 15.4 watts
<b>Web Interface</b>		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay, Digital PTZ
Language		Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian / Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish
<b>Applications</b>		
Network Storage		GV-NVR, GV-System, GV-Backup Center, GV-Recording Server
Smart Device Access		GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad
Live Viewing		IE , mobile phone
CMS Server support		GV-Control Center, GV-Center V2, GV-VSM

**Note:** Specifications are subject to change without notice.

## Packing List

- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. Mini Fixed Dome        | 6. 2-pin terminal block             |
| 2. Torx Wrench            | 7. GV-IPCAM H.264 Quick Start Guide |
| 3. Self Tapping Screw x 2 | 8. GV-IPCAM H.264 Software CD       |
| 4. Screw Anchor x 2       | 9. GV-NVR Quick Start Guide         |
| 5. Cable stopper x 1      | 10. GV-NVR Software DVD             |

## Accessories

Model No./Name	Details
<b>GV-Mount900 Wall Mount Bracket</b> 	Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2") Weight: 240 g (0.53 lb)
<b>GV-Mount909 Wall Mount Bracket</b> 	Dimensions: 170 x 150 x 110 mm (6.7" x 5.9" x 4.3") Weight: 610 g (1.34 lb)
<b>GV-Mount910 Power Box Mount Bracket</b> 	Dimensions: 112 x 98 x 7.5 mm (4.4" x 3.9" x 0.3") Weight: 105 g (0.23 lb)
<b>GV-Mount913 Power Box Mount Bracket</b> 	Dimensions: Ø 146 x 7.5 mm (Ø 5.7" x 0.3") Weight: 180 g (0.4 lb)
<b>GV-PA191 PoE Adapter</b> 	Weight: 130 g (0.29 lb) Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")
<b>Power Adapter</b>	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
<b>GV-POE Switch</b>	The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.